INTERNATIONAL SEARCH REPORT

Internatic Application No PCT/EP 03/50268

A. CLASSI IPC 7	ПСАПОЙ OF SUBJECT MATTER D07B1/06 B65H69/00 B23K1/00	0						
According to International Patent Classification (IPC) or to both national classification and IPC								
	SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) IPC 7 D07B B65H B23K								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
	ata base consulted during the international search (name of data ba	se and, where practical, search terms used	1)					
EPO-In	ternal, PAJ, WPI Data							
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the rel	levant passages	Relevant to claim No.					
Α	US 4 709 542 A (F.B. KRAFFT) 1 December 1987 (1987-12-01)	1						
	column 1, line 56 -column 2, line							
	column 10, line 35 - line 54; fig							
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Further documents are listed in the continuation of box C. Patent family members are listed in annex.								
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consid	ent defining the general state of the art which is not ered to be of particular relevance	cited to understand the principle or the invention	eory underlying the					
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which I	nl which may throw doubts on priority claim(s) or is cited to establish the publication date of another	involve an inventive step when the do "Y" document of particular relevance; the c	curnent is taken alone laimed invention					
"O" docume	ent referring to an oral disclosure, use, exhibition or	cannot be considered to involve an in- document is combined with one or mo	ventive step when the are other such docu-					
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tater than the priority date claimed Date of the actual completion of the international search		& document member of the same patent family Date of mailing of the international search report						
7 November 2003		14/11/2003						
Name and mailing address of the ISA		Authorized officer						
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk								
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Goodall, C						



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	Patent document cited in search report	Publication date	Patent famil member(s)	y	Publication date	4,
	US 4709542 A	01-12-1987	NONE			1300
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